

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450

or <u>Fax</u>

Alexandria, Virginia 22313-1450 (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block I, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fees will be mailed to the current correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

27543

2 5 2004

7590

02/20/2004

APPLIED OPTOELECTRONICS, INC. 13111 JESS PIRTLE BLVD. SUGAR LAND, TX 77478

02/26/2004 TTRAN2

00000019 501705

09820072

01 FC:2501 02 FC:1504

300.00 DA

665.00 DA

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

TEPHAN KINSELLA (Depositor's name a (Signatur 25-04 (Dst

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09/820,072 03/28/2001 Wen-Yen Hwang PAT004 4037

TITLE OF INVENTION: ALTERNATIVE SUBSTRATES FOR EPITAXIAL GROWTH

APPLN, TYPE	SMALL ENTITY	ISSUR F	TEE	PUBLICATION FEB	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	-NO-YES	\$133	0665	\$0	S1330-	05/20/2004
EXAMINER NGUYEN, JOSEPH H		ART UN	(IT	CLASS-SUBCLASS	7 665	
		2815		428-457000	•	
. Change of corresponden FR 1.363).	ce address or indication of "F	ee Address" (37		inting on the patent front page	e, list (1) the	EPHAN KINSELLA
Change of correspon	dence address (or Change of C	Correspondence	agents O	f up to 3 registered patent R, alternatively, (2) the nam	e of a single	
Address form PTO/SB/	122) attached.			ring as a member a registere and the names of up to 2 regi		A. GRUSS
PTO/SB/47; Rev 03-02	tion (or "Fee Address" Indicat or more recent) attached. Use	tion form of a Customer	attorneys	or agents. If no name is lis		
Number is required.			will be printed.			
	D RESIDENCE DATA TO B					
	is an assignee is identified belied to the USPTO or is being s	ow, no assignee d abmitted under se	lata will appo parate cover.		assignee data is only appropri OT a substitute for filing an ass OUNTRY)	iate when an assignment has signment.
PLEASE NOTE: Unles been previously submit (A) NAME OF ASSIGN	is an assignee is identified belied to the USPTO or is being s	ow, no assignee d abmitted under se (E	lata will appe parate cover. B) RESIDEN	ear on the patent. Inclusion of Completion of this form is No.	OUNTRY)	iate when an assignment has signment.
PLEASE NOTE: Unless been previously submitted (A) NAME OF ASSIGN	is an assignee is identified belied to the USPTO or is being a NEE	ow, no assigned dubmitted under se (E	lata will appo parate cover. B) RESIDEN	ear on the patent. Inclusion of Completion of this form is NO CE: (CITY and STATE OR C	OUNTRY) ÉXAS	
PLEASE NOTE: Unless been previously submitted (A) NAME OF ASSIGN	is an assignee is identified belied to the USPTO or is being s NEE) PTUELECTRUNIC te assignee category or catego	ow, no assigned daubmitted under se (E .S, ING.	lata will appo parate cover. B) RESIDEN	ear on the patent. Inclusion of Completion of this form is No CE: (CITY and STATE OR C	OUNTRY)	
PLEASE NOTE: Unless been previously submits (A) NAME OF ASSIGNAME OF A	is an assignee is identified belied to the USPTO or is being s NEE) PTUELECTRUNIC te assignee category or catego	ow, no assigned daubmitted under se (E .S, ING.	lata will apper parate cover. B) RESIDENT inted on the position of the posit	ear on the patent. Inclusion of Completion of this form is No CE: (CITY and STATE OR C	OUNTRY) EXAS Cooporation or other private g	
PLEASE NOTE: Unless been previously submits (A) NAME OF ASSIGNAME OF A	is an assignee is identified belied to the USPTO or is being s NEE PROFILECTRUNIC te assignee category or categore enclosed:	ow, no assigned daubmitted under se (E .S, ING.	lata will apper parate cover. RESIDEN inted on the popular of th	car on the patent. Inclusion of Completion of this form is NCE: (CITY and STATE OR COMPART OF COMPA	OUNTRY) EXAS Corporation or other private gardesed.	
PLEASE NOTE: Unless been previously submits (A) NAME OF ASSIGNAME OF A	is an assignee is identified belied to the USPTO or is being s NEE PROFILECTRUNIC te assignee category or categore enclosed:	ow, no assigned daubmitted under se (E .S, ING.	inted on the Payment of A check i Payment The Dire	car on the patent. Inclusion of Completion of this form is NCE: (CITY and STATE OR COMPLETE OF COMPLET	OUNTRY) EXA Corporation or other private g anclosed. Is is attached. Charge the required fee(s), or	group entity
PLEASE NOTE: Unies been previously submits (A) NAME OF ASSIGNAME OF AS	is an assignee is identified belied to the USPTO or is being s NEE PTUELECTRUNIC te assignee category or catego a enclosed: [Copies	ow, no assigned databased under set (B. S., ING., cries (will not be produced to the produced	lata will apper parate cover. RESIDENG inted on the population of the population o	car on the patent. Inclusion of Completion of this form is NCE: (CITY and STATE OR CITY and STATE OR C	OUNTRY) Corporation or other private graciosed. Is is attached. charge the required fec(s), or	credit any overpayment, to

(Authorized Signature)	(Date)
(Authorized Signature)	2-25-04
NOTE; The Issue fee and Publication Fee (if req other than the applicant; a registered attorney or	uired) will not be accepted from anyon agent; or the assignee or other party

interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form und/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

D05

27543

APPLIED OPTOELECTRONICS, INC. 13111 JESS PIRTLE BLVD. SUGAR LAND, TX 77478

FEB 2 5 2004

DATE MAILED: 02/20/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/820.072	03/28/2001	Wen-Yen Hwang	PATO04	4037

TITLE OF INVENTION: ALTERNATIVE SUBSTRATES FOR EPITAXIAL GROWTH

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUB
nonprovisional	MONYES	\$665	\$0	\$1550 \$605	05/20/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Page 1 of 3

PTOL-85 (Rev. 11/03) Approved for use through 04/30/2004.